

SunStorage PRO

STE-2ML-1MP

All-in-One Design

Storage System for
C&I Scenario

Hybrid Cooling System

A liquid-cooled battery cooling system combined with an air-cooled PCS cooling system provides dual assurance for system efficiency.



All-in-One Design

Highly integrated 3S system, cooling system, and fire protection system, delivering greater capacity within a smaller footprint.



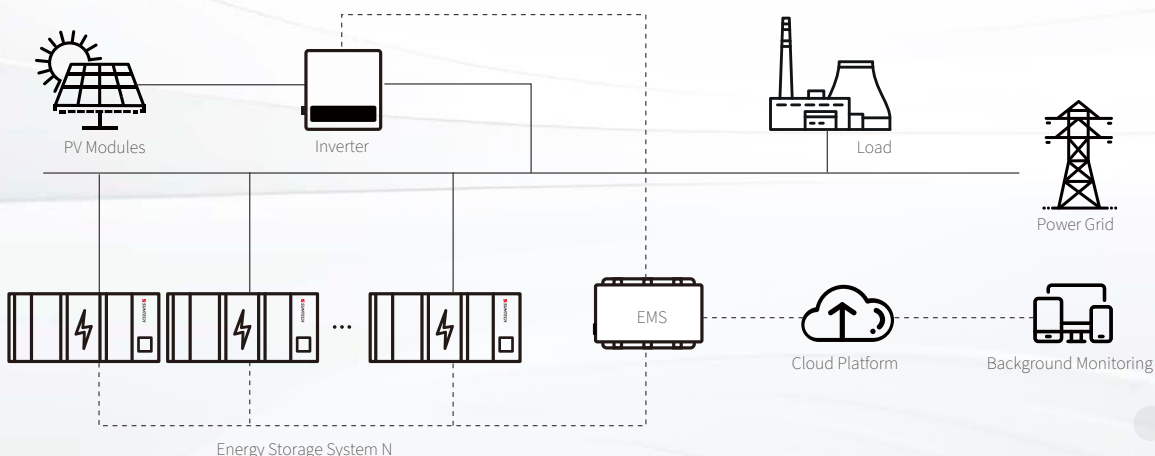
String-Based Solution

Each battery cluster is independently managed, ensuring higher efficiency and system stability.



Standard 20ft Container

Pre-tested and pre-installed before delivery, enabling easy transportation, simple commissioning, and shorter lead times.



Model		STE-2ML-1MP
DC Side		
Cell Type		LFP/314Ah
Pack Connection		1P48S
Pack Capacity(kWh)		48.23
Battery System Connection		9P240S
Battery System Capacity(kWh)		2170.3
Rated System Voltage(V)		768
Working System Voltage Range(V)		672~864
Pack Ingress Rating		IP65
Charge Working Temperature(°C)		5~55
Discharge Working Temperature(°C)		-10~50
Cooling System		Smart liquid cooling
AC Side		
DC Input Voltage(V)		680~950
Maximum DC Input Current(A)		203
Grid Power Factor		0.99
Cooling System		Air cooling
Rated Power(kW)		1125(125*9)
Max. Power(kW)		1237
THDi		≤3%
DC Ratio		<0.5%LPN
Nominal Voltage(V)		400Vac/3P+N+PE
Power Factor		-1 lagging~1 leading
Nominal Frequency(Hz)		50/60
General Data		
System Efficiency		≥88%
Charge/Discharge Rate		0.5P
DOD		95%(25±2°C)
Cycle Life		8000 cycles @ ±25°C,95% DOD,0.5P
Communication		Ethernet/RS485
Ingress Rating		IP55
Cooling System		Liquid Cooled + Forced Air Cooled
Operating Temperature(°C)*		-25~55
Humidity		5~95%RH, non-condensing
Noise(dB)		≤80
Altitude(m)		≤2000(derating above 2000)
Fire Suppression System		Aerosol system(pack level and container level) , water spray system
Dimensions(W×D×H mm)		6058×2438×2591
Weight(kg)		25000
Compliance		UN38.3, IEC62477-1, CE/EMC, IEC62619, IEC63056, UL9540A, IEC62933, EN50549

*: Power derating above 45°C